

WATER POLLUTION CONTROL FACILITY LEAD OPERATOR

DEFINITION

Under general supervision, performs as leadworker in the operation and maintenance of the water pollution control facility and assumes responsibility for monitoring, adjusting, minor mechanical repair and maintaining equipment, grounds and facilities on assigned shift.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey level position in the Water Pollution Control Facility Operator series and requires a Grade III Certificate issued by the State Division of Water Quality Control. Performs lead responsibilities on assigned shift.

SUPERVISION RECEIVED AND EXERCISED

General supervision is provided by a Water Pollution Control Facility Senior Operator.

Responsibilities include providing lead direction to operators, operators-in-training and semi-skilled workers as required.

ESSENTIAL DUTIES

1. Plans, assigns and reviews work of assigned personnel and provides input in evaluating employee performance.
2. Operates and evaluate the operation of process equipment in the facility used for the treatment of wastewater, digestion of sludge and disposal of waste products.
3. Monitors, interprets and records meter readings and gauges at various stages of the treatment process and adjusts controls as needed.
4. Collects and preserves samples and performs routine, standardized tests (i.e., chlorine residual titrations, settleable or total solids, acid and alkalinity, sulfide analysis, ph determinations, and various colorimetric tests).
5. Reviews and interprets operational data to insure efficient process operation.
6. Monitors and adjusts valves, pumps, motors, generators, and other equipment to insure proper operation.
7. Troubleshoots equipment problems and processes and takes or recommends corrective action.

8. Assures that required log entrees are made related to plant performance and status during assigned shift.
9. Performs preventative maintenance work orders during assigned shift.
10. Cleans, inspects and lubricates plant machinery and equipment as needed.
11. Assumes responsibility for house keeping duties and general maintenance of buildings and grounds on assigned shift to ensure neat, clean, safe and sanitary conditions.
12. Assumes responsibility for safety and training of assigned shift.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

- A. Machinery and equipment common to water pollution control facilities.
- B. Treatment processes and tests used to verify the effectiveness of such processes.
- C. Tools, equipment and methods used in the overhaul, repair, adjustment and modification of facility equipment.
- D. Practical applications of pumping, piping and electrical systems as applied in a water pollution control facility.
- E. Applicable safety rules and regulations.

Ability to:

- F. Operate process equipment in a water pollution control facility.
- G. Recognize need to adjust process as necessary to insure permit compliance.
- H. Handle hazardous chemicals in a safe manner.
- I. Perform standard laboratory tests.
- J. Evaluate and interpret plant process performance analysis and data and based on this analysis make appropriate changes to plant operations to insure compliance with all permit requirements.
- K. Perform minor mechanical repairs, maintenance work and preventative maintenance of equipment.

- L. Handle a variety of highly critical duties required to operate the plant in conformance with all permit requirements without close supervision.
- M. Train and instruct assigned staff in the areas of safety, plants operations and procedures.
- N. Maintain and evaluate records.
- O. Maintain cooperative working relationships with coworkers and supervisors.
- P. Follow oral and written directions.
- Q. Provide lead and motivation to others.
- R. Perform heavy physical labor.

EXPERIENCE AND TRAINING

Any combination of experience and training that could likely provide the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

Experience: One year of operational experience working in a water pollution control facility while in possession of a Grade II Certificate or higher.

Training: Education equivalent to graduation from high school.

License or Certificate: Possession of a valid Class C California Drivers License. Possession of a Grade III Certificate issued by the California State Division of Water Quality Control.

PROBATIONARY PERIOD: One year.

351CS98

AAP Group: 17

FPPC STATUS: Non-Designated

FLSA STATUS: Non-Exempt